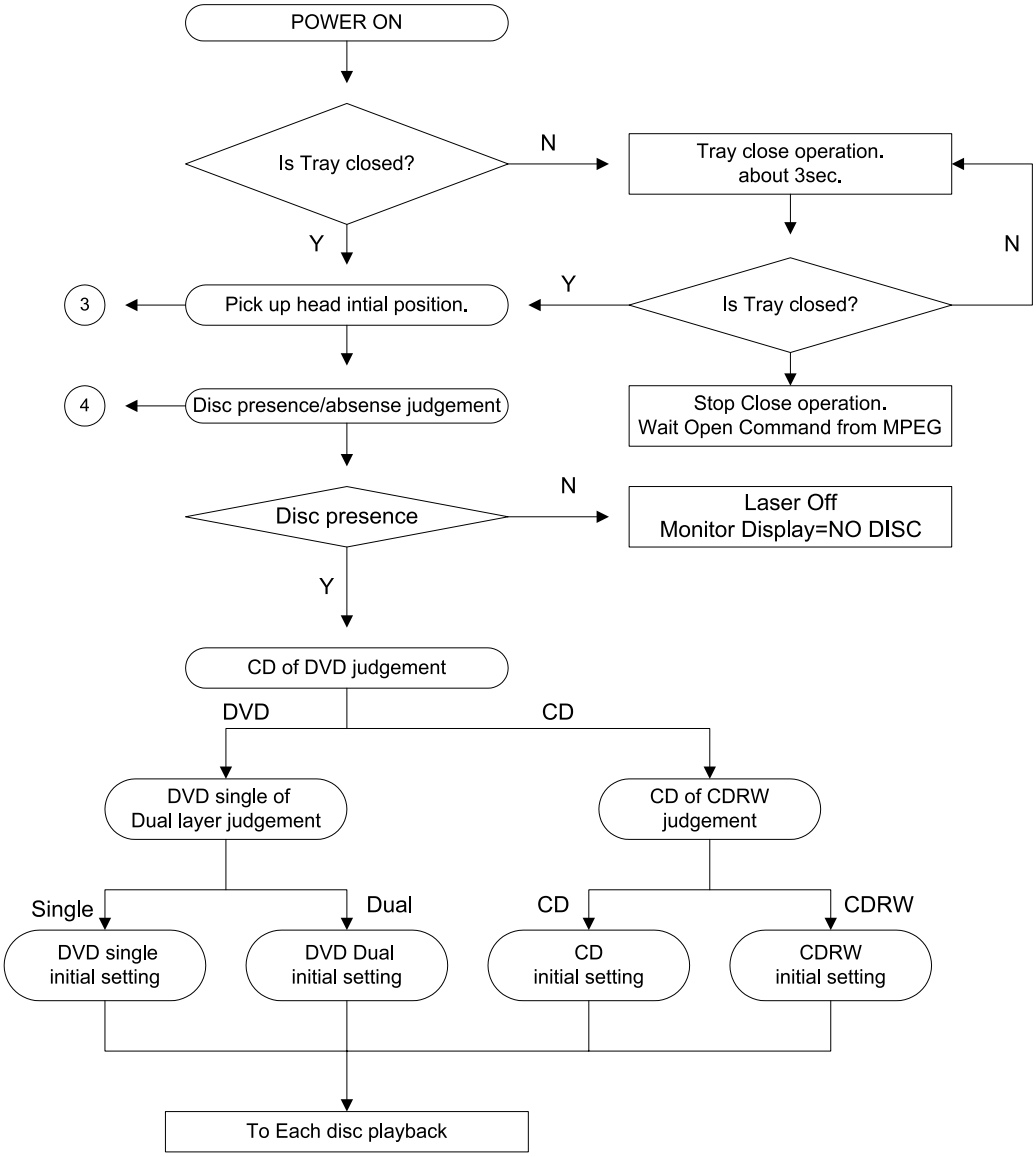
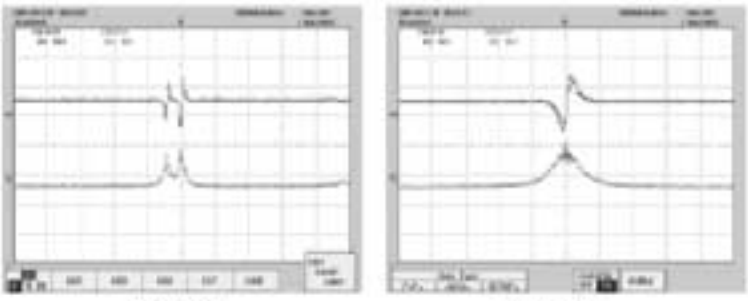
4. TroubleShooting

4-1 DVD SERVO parts

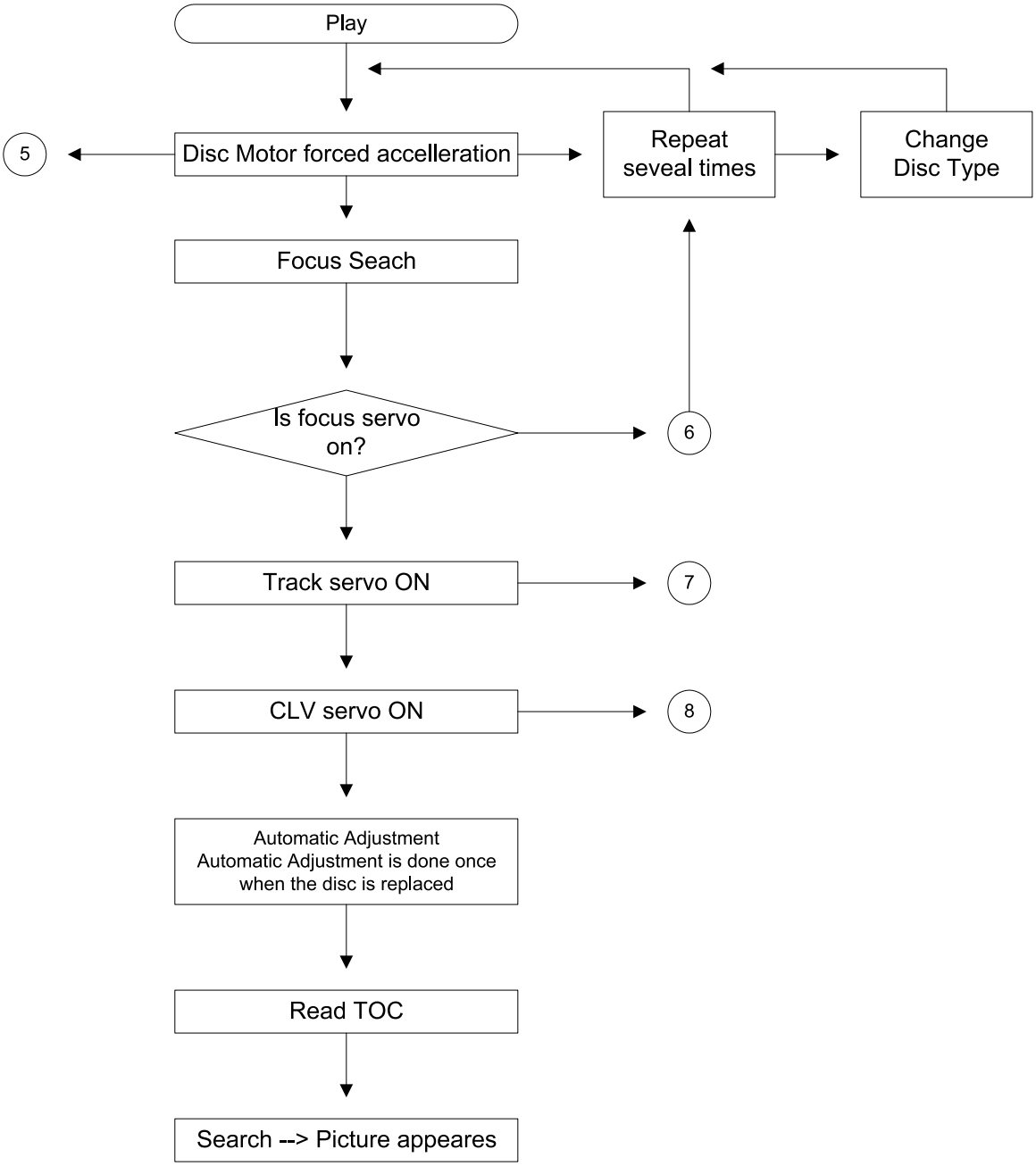
1. Initial operation after power ON





(DVD Dual) (DVD Single)

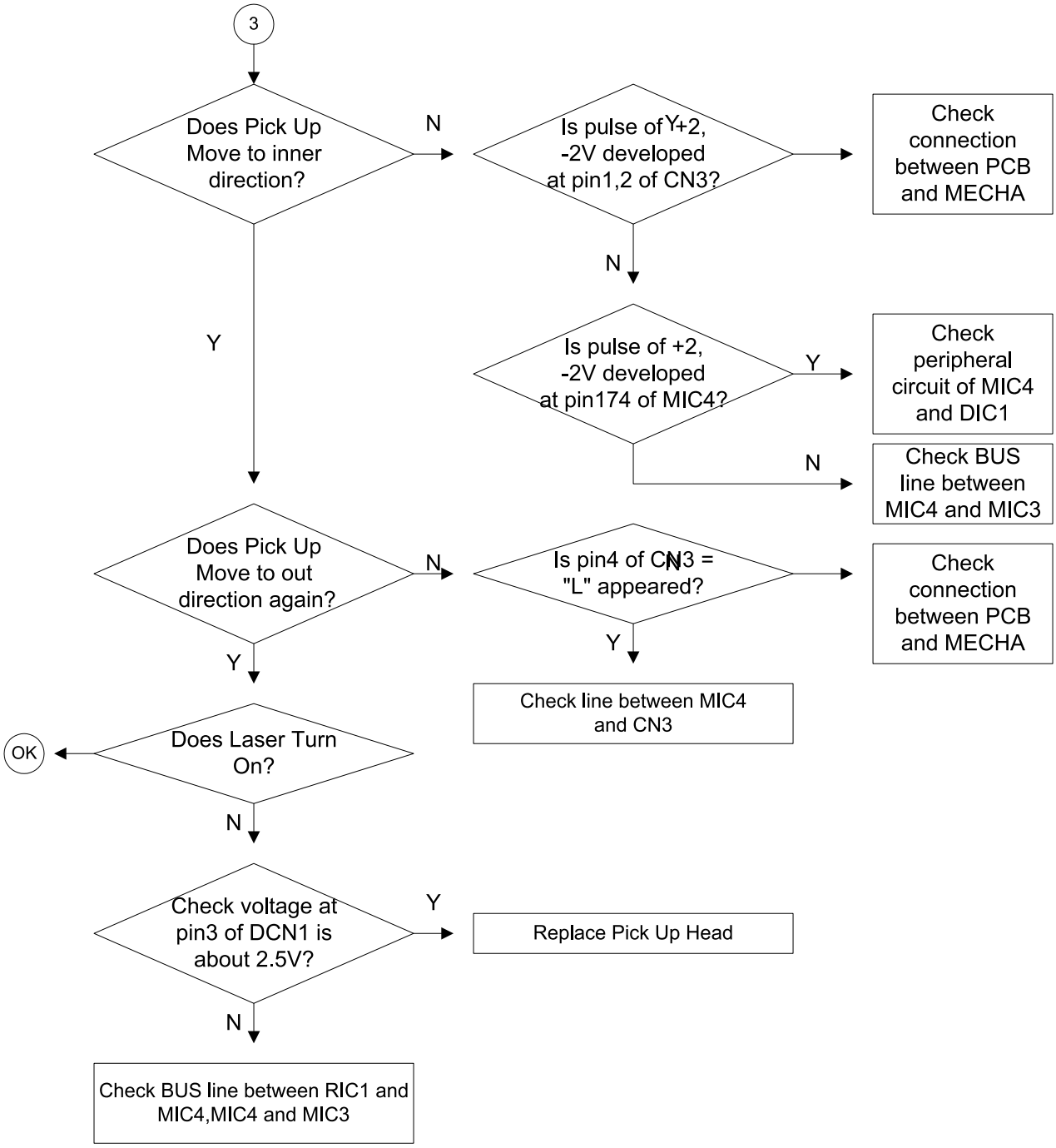
2. Play operation



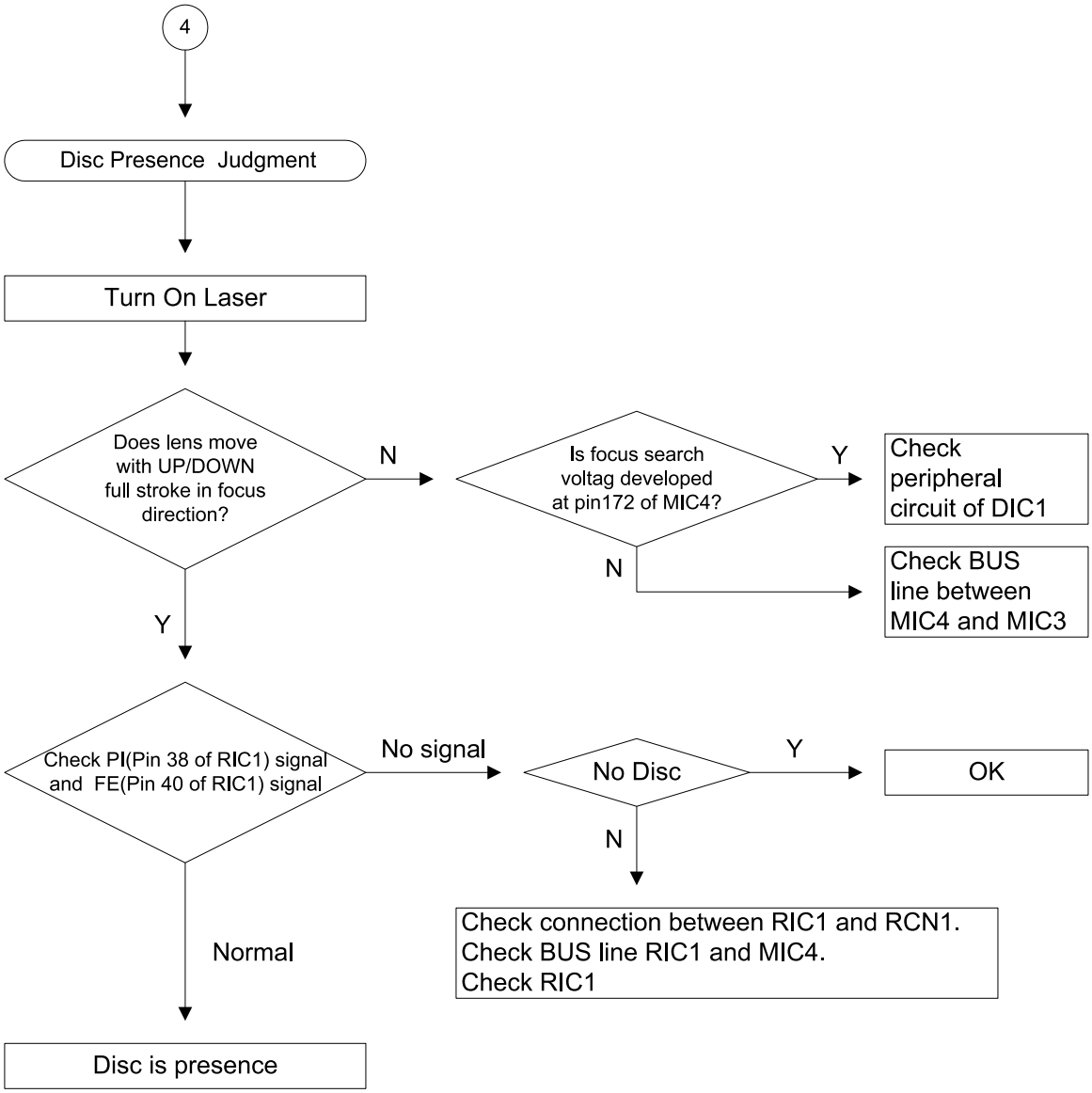
3. PickUp Head Initial Postion

PickUp Head Initial Postion

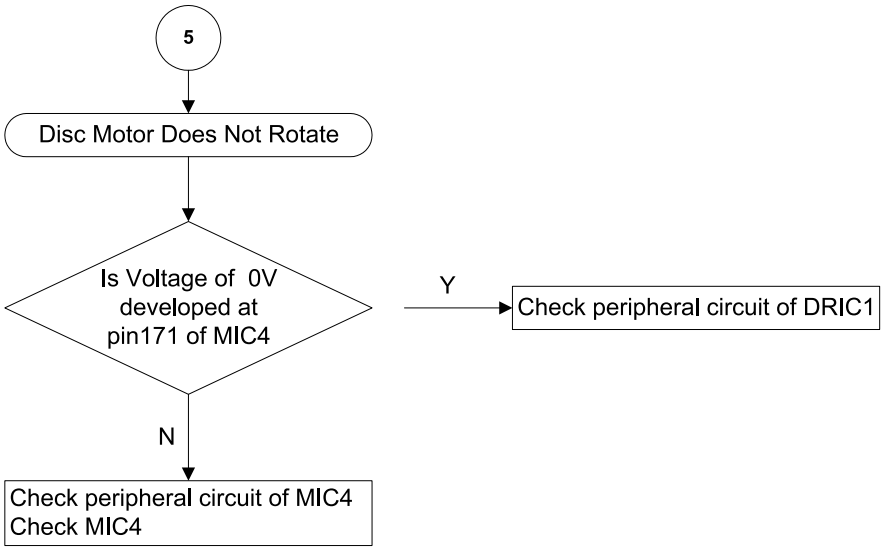
1. Move Pick Up Head to inner diretion until pin4 of CN3="L"
2. If pin4 of CN3="L", then move Pick Up Head to outer diretion for a short time.
3. Ture On the Laser of Pick Up Head to judge that disc is presence or not.


3
Does Pick Up Move to inner direction?
N
Is pulse of +2, -2V developed at pin1,2 of CN3?
Y
Check connection between PCB and MECHA
N
Y
Is pulse of +2, -2V developed at pin174 of MIC4?
Y
Check peripheral circuit of MIC4 and DIC1
N
Check BUS line between MIC4 and MIC3
Does Pick Up Move to out direction again?
N
Is pin4 of CN3 = "L" appeared?
N
Check connection between PCB and MECHA
Y
Y
Check line between MIC4 and CN3
OK
Does Laser Turn On?
N
Check voltage at pin3 of DCN1 is about 2.5V?
Y
Replace Pick Up Head
N
Check BUS line between RIC1 and MIC4,MIC4 and MIC3

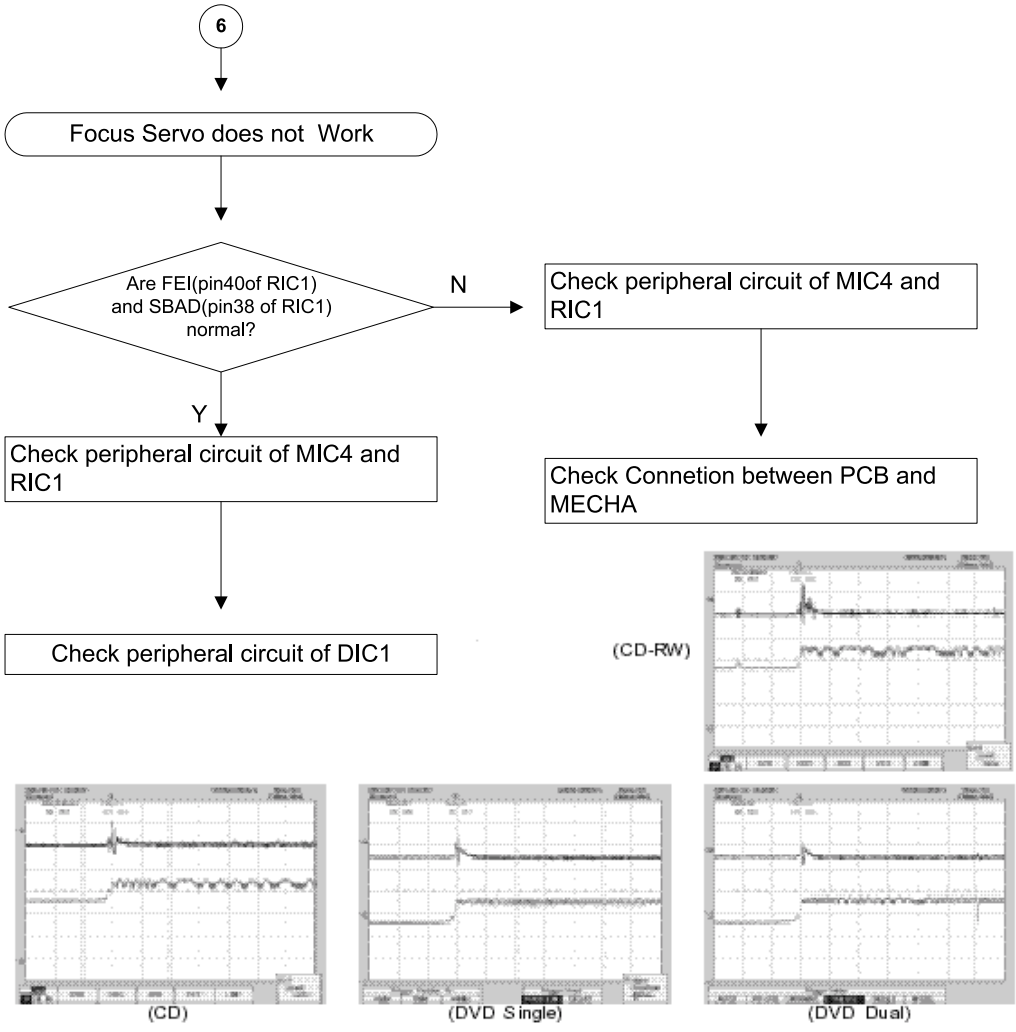
4. Disc Presence/Absense Judgment



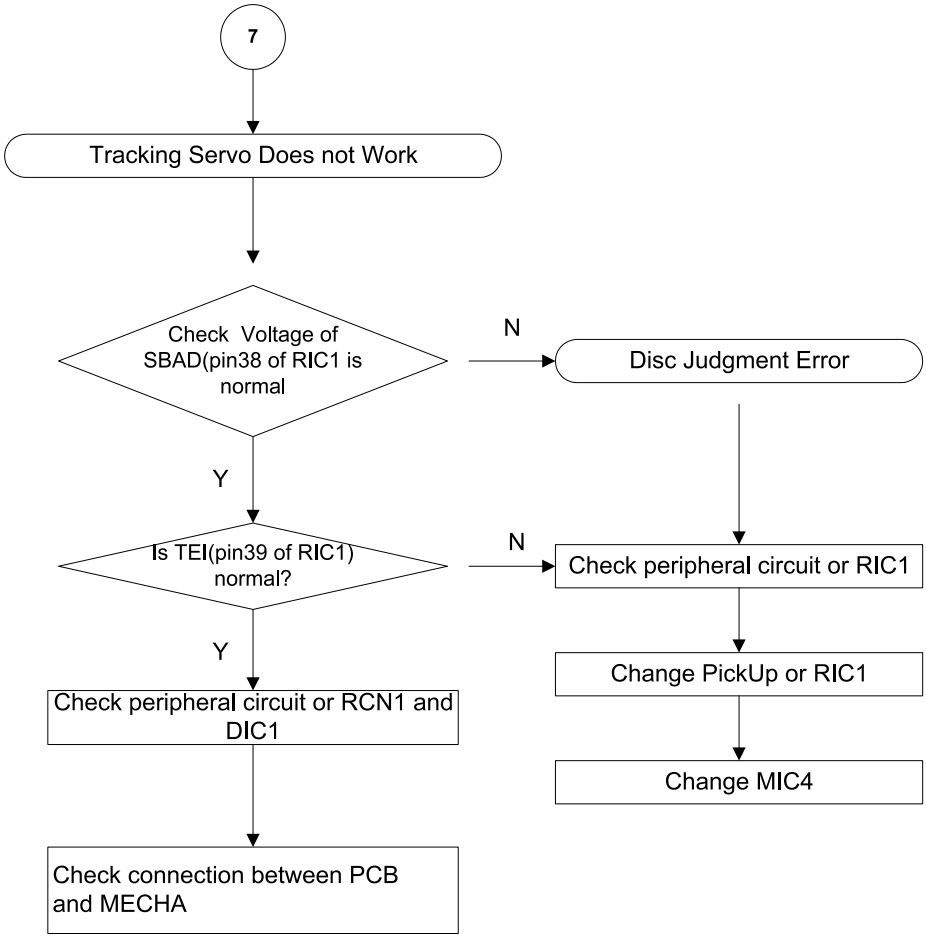
5. Disc Motor Does Not Rotate

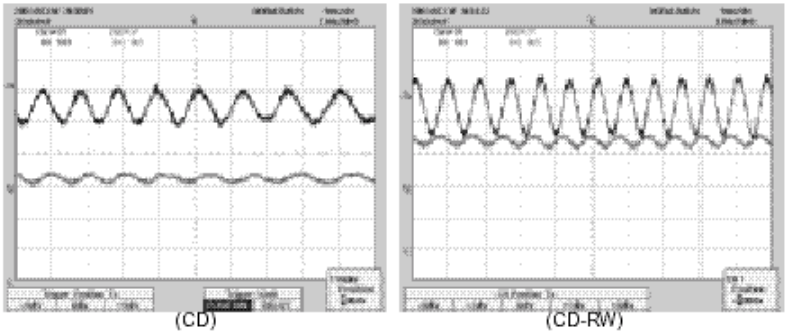


6. Focus Servo does not Work

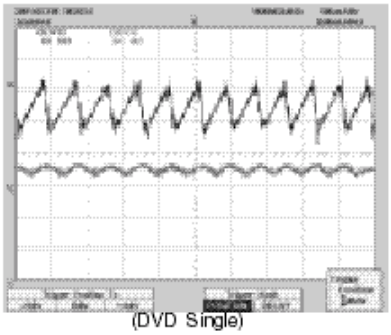


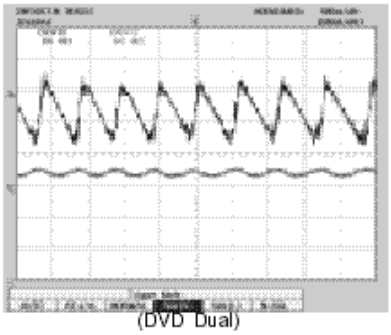
7. Tracking Servo Does Not Work



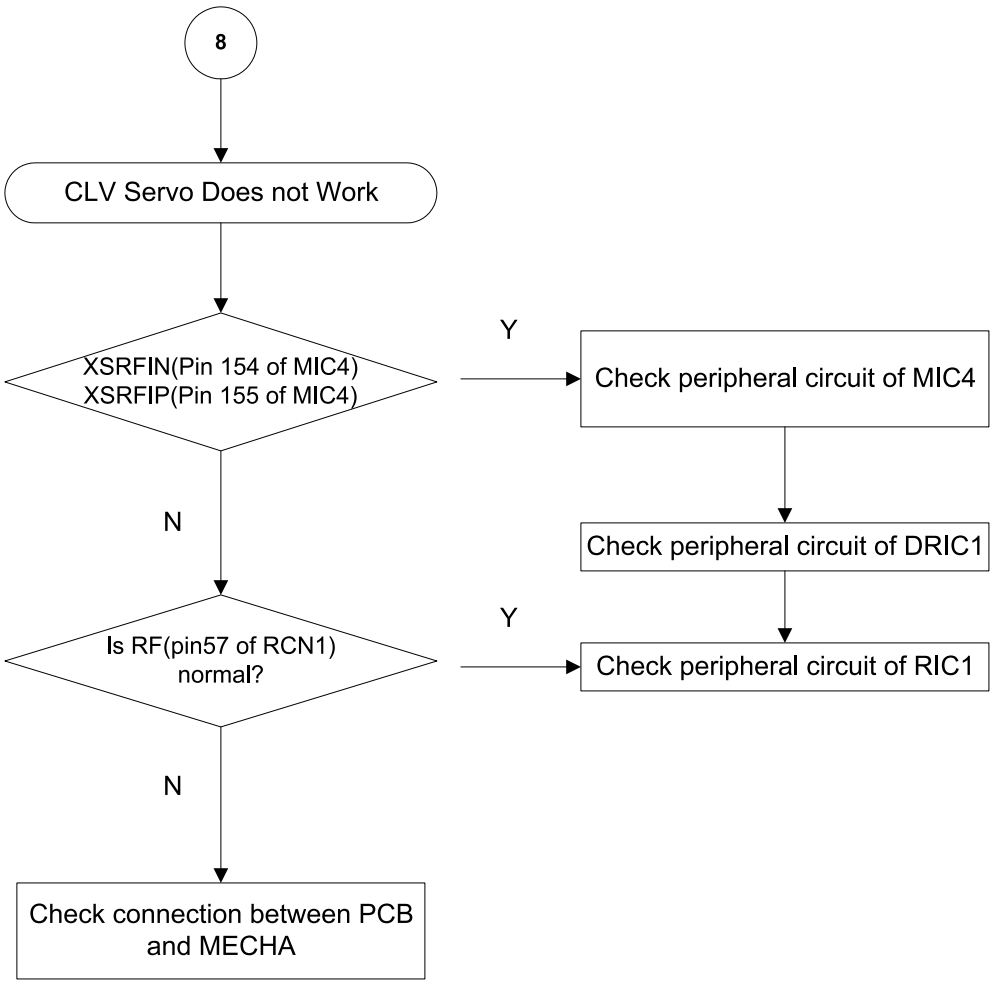

(CD)

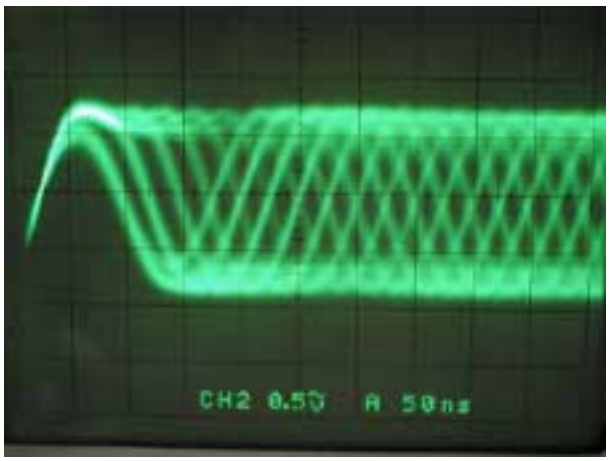
(CD-RW)


(DVD Single)


(DVD Dual)

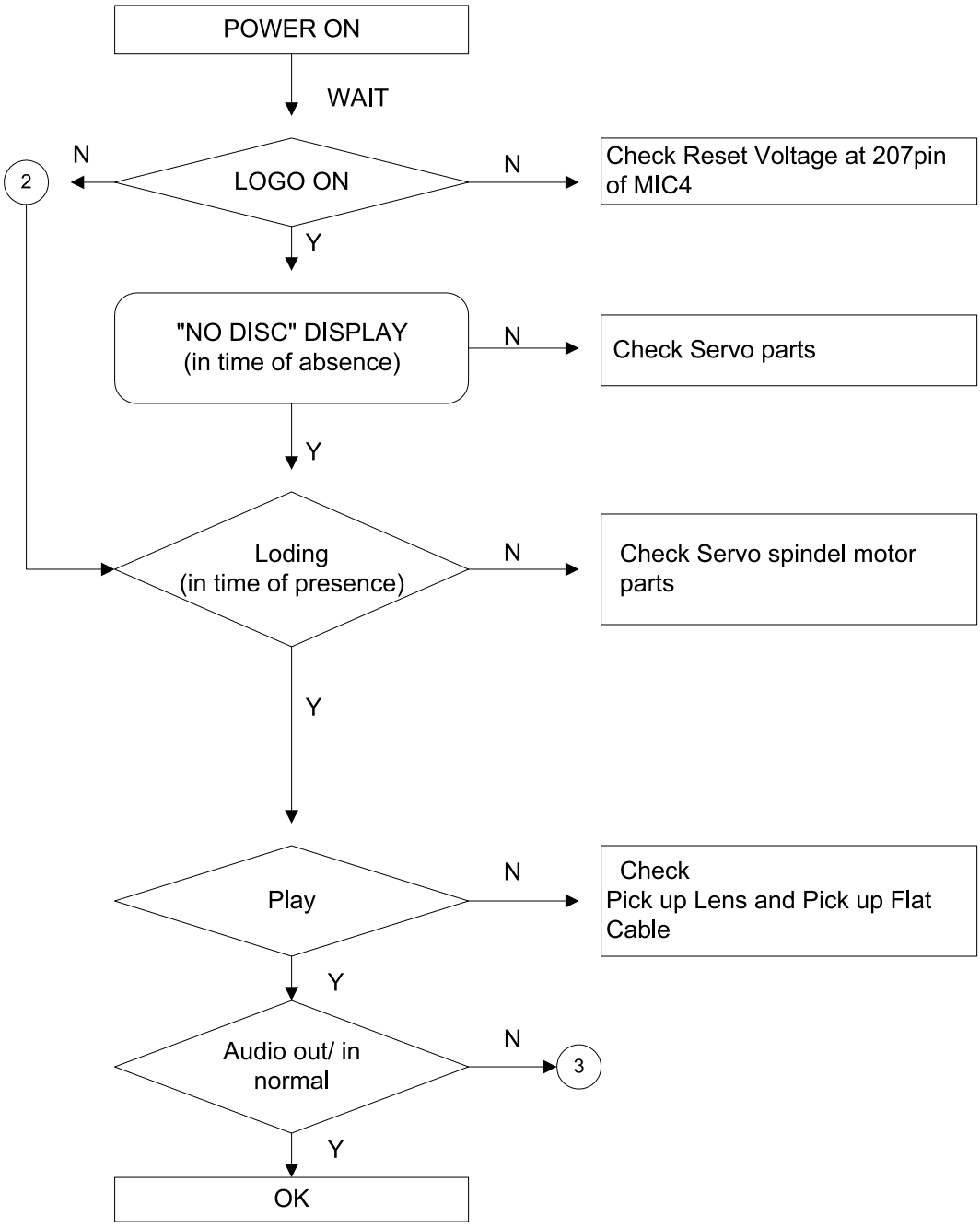
8. CLV Servo Does Not Work



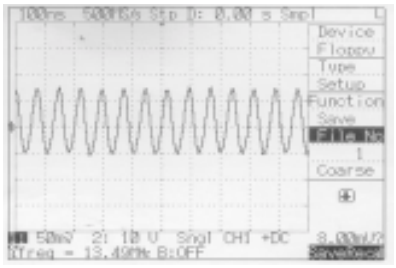


RF Signal

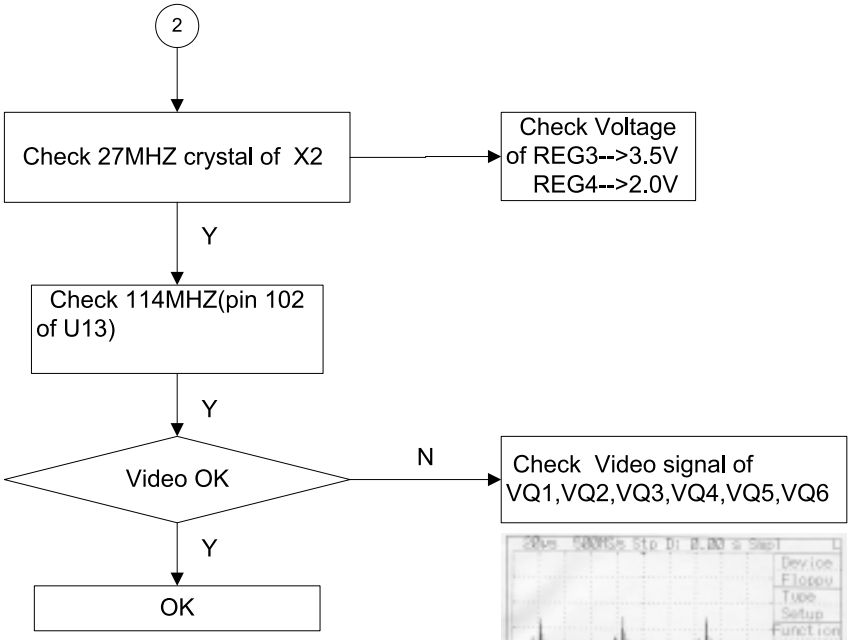
1. Initial operation after NO

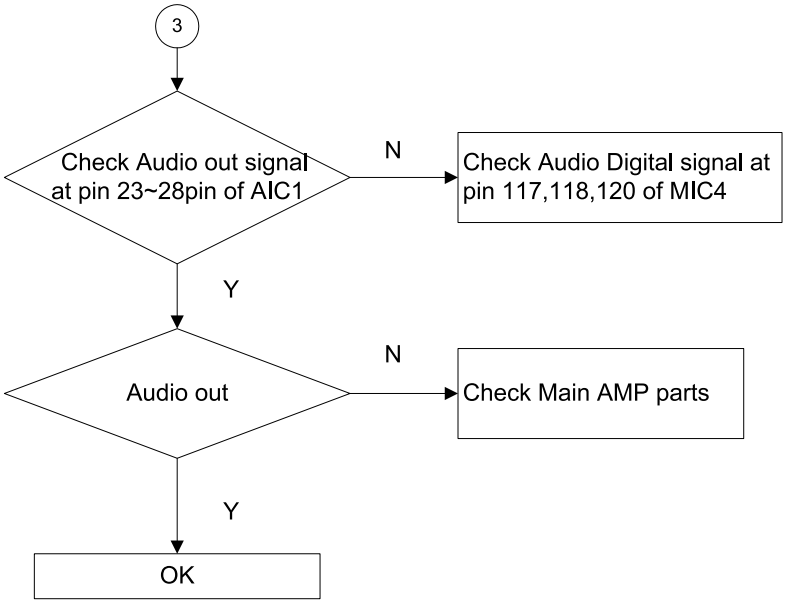


2. Logo operation



27MHZ



Composite
Video Signal

3.Audio operation